

IN THE CLAIMS

We claim:

1. A process for producing a cylindrical hollow body for a tube target for cathode sputtering installations, comprising the step of producing a cylindrical hollow body by centrifugally casting a melt.
2. A process as defined in claim 1, wherein the casting step includes horizontal centrifugal casting the melt in a rotating casting mold to produce the cylindrical hollow body.
3. A process as defined in claim 2, including conducting the centrifugal casting place in a gas atmosphere with a low oxygen partial pressure.
4. A process as defined in claim 3, wherein the gas atmosphere in the casting mold is formed by one of natural gas, argon forming gas and nitrogen.
5. A process as defined in claim 1, wherein the cylindrical hollow body is formed from at least one of a metal and a noble metal.

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6. A process as defined in claim 5, wherein the cylindrical hollow body is formed from silver.

7. A process as defined in claim 2, including setting a rotational speed of the casting mold so that an acceleration acting on the melt to be introduced corresponds to 160 to 180 times acceleration due to gravity.

8. A tube target for a cathode sputtering installation, comprising a centrifugally cast, cylindrical hollow body.

9. A tube target as defined in claim 8, wherein the cylindrical hollow body is formed from at least one of a metal and a noble metal.

10. A tube target as defined in claim 9, wherein the cylindrical hollow body is formed from silver.

11. A process for producing tube targets for cathode sputtering installations, comprising the step of using centrifugally cast, cylindrical hollow bodies to produce the targets.

12. A process for coating flat glass in a cathode sputtering installation, comprising the step of coating the flat glass using tube targets with centrifugally cast, cylindrical hollow bodies of silver.